

Figure 1. (PRIOR ART)

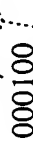


Figure 2. (PRIOR ART)

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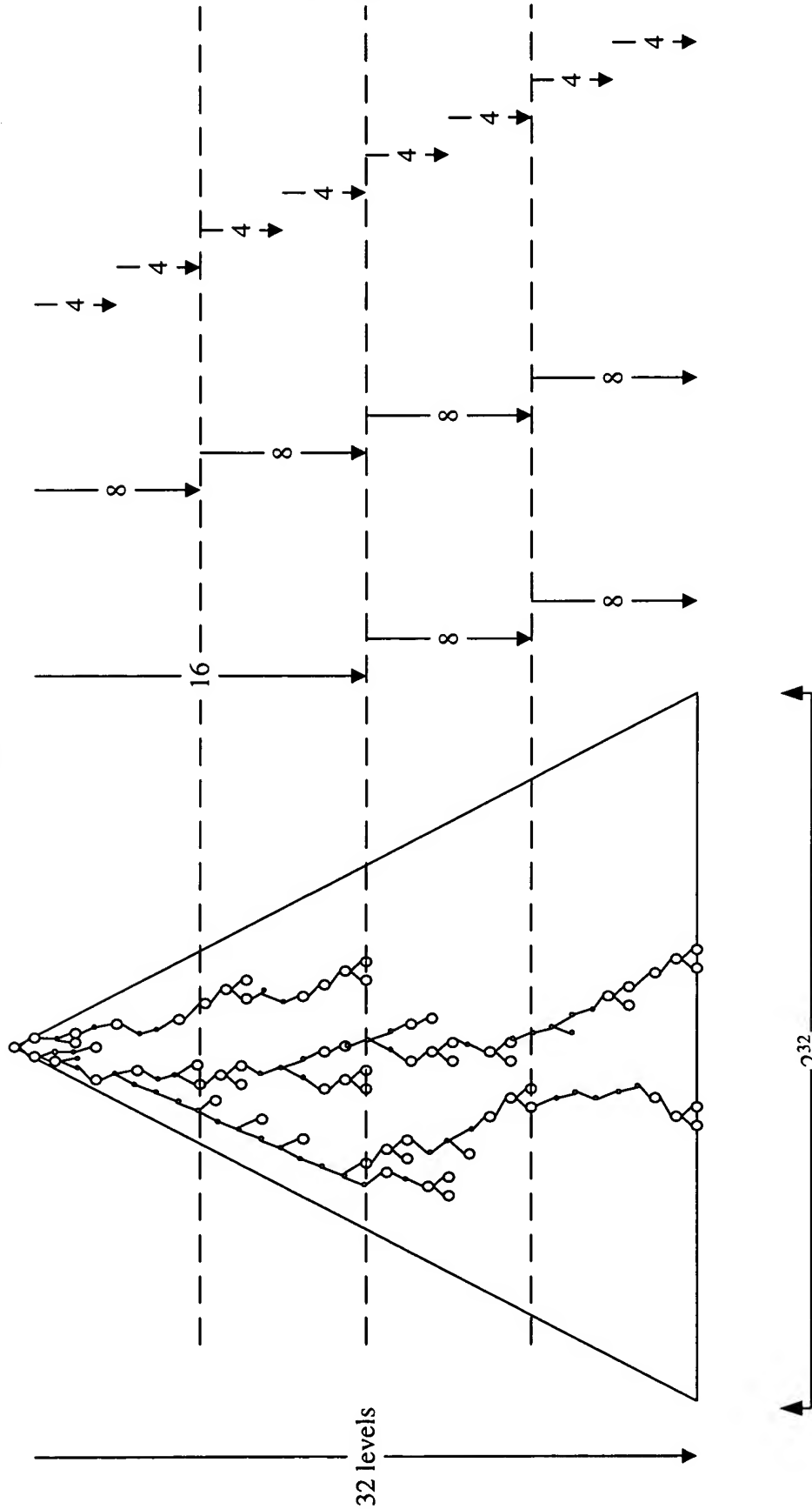


Figure 3. (PRIOR ART)

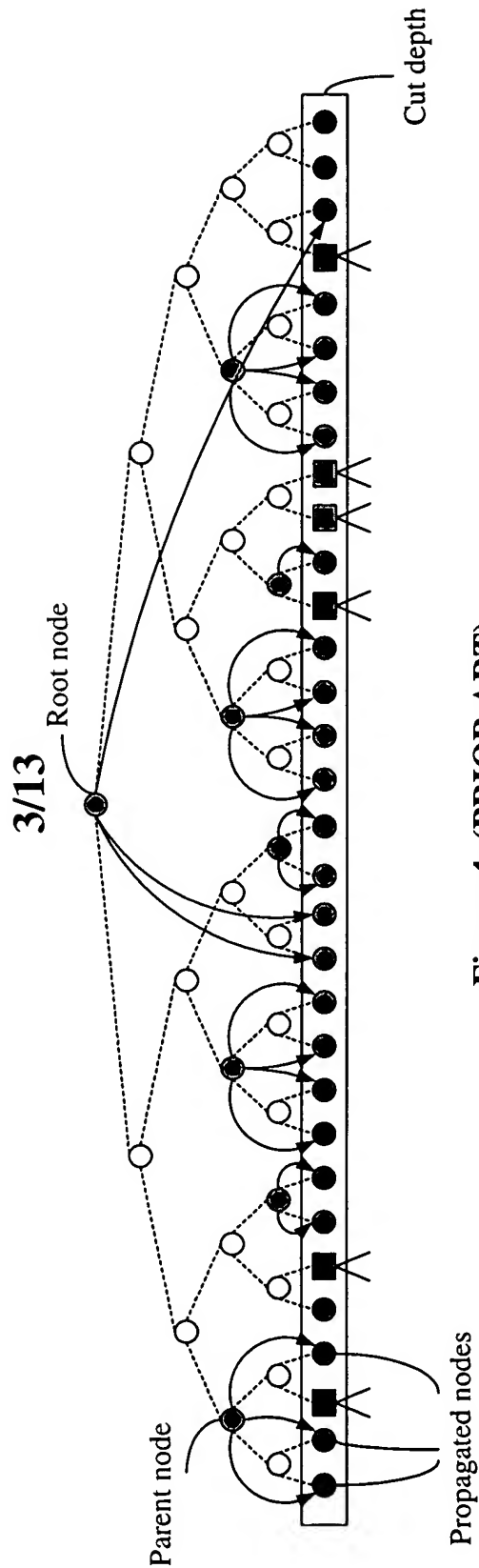


Figure 4. (PRIOR ART)

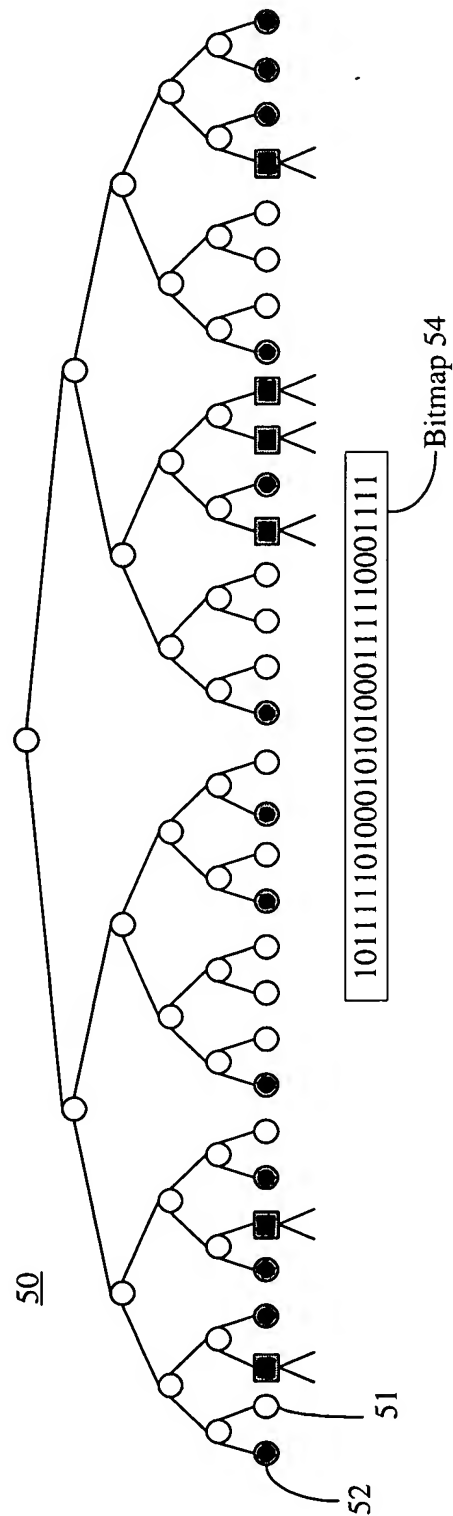


Figure 6.

David W. Carr
METHOD AND APPARATUS FOR LONGEST MATCHING PREFIX DETERMINATION IN A
COMMUNICATION NETWORK

Attorney. Docket No. 1400.41002341
Express Mail Label No. EV 322402485 US

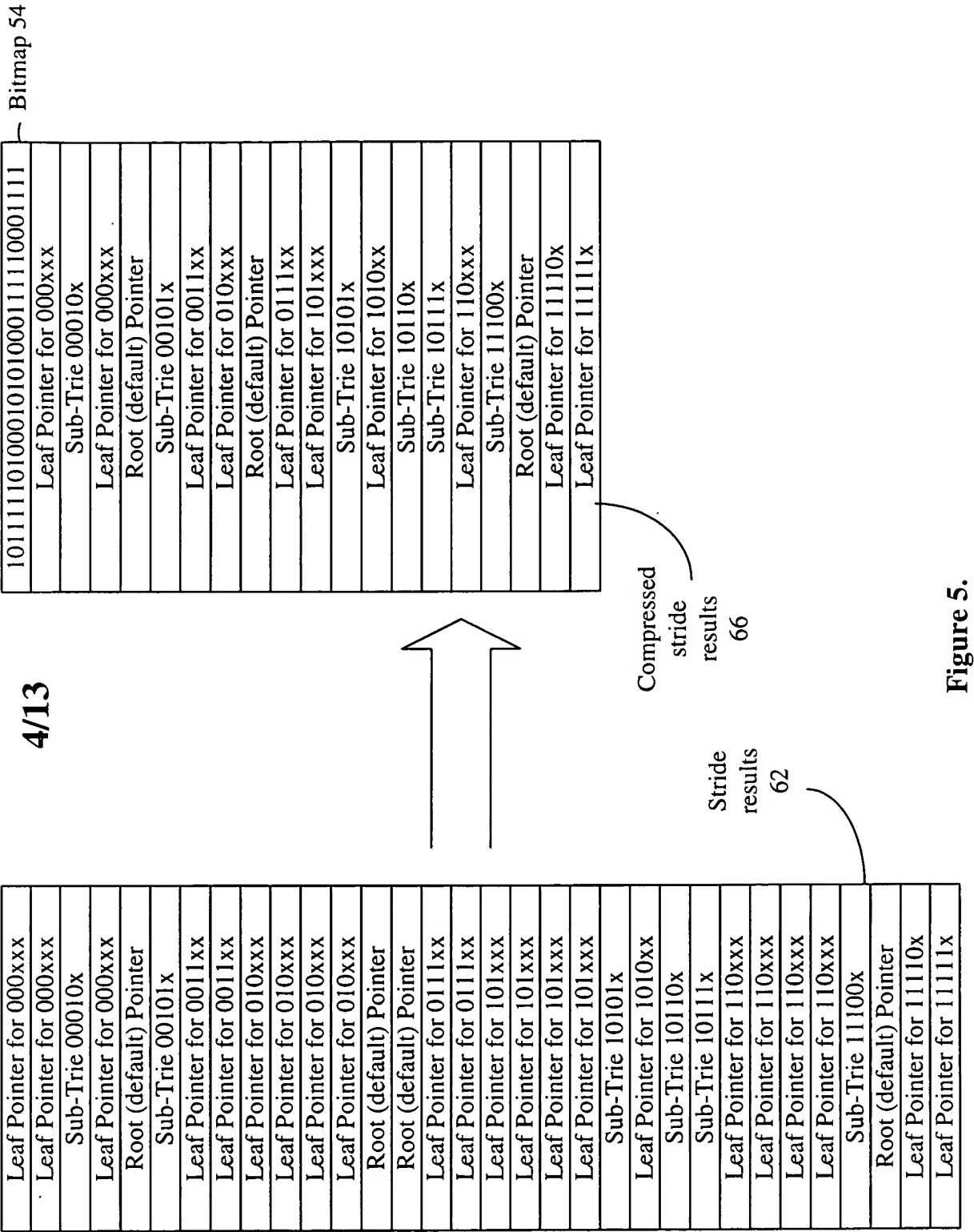


Figure 5.

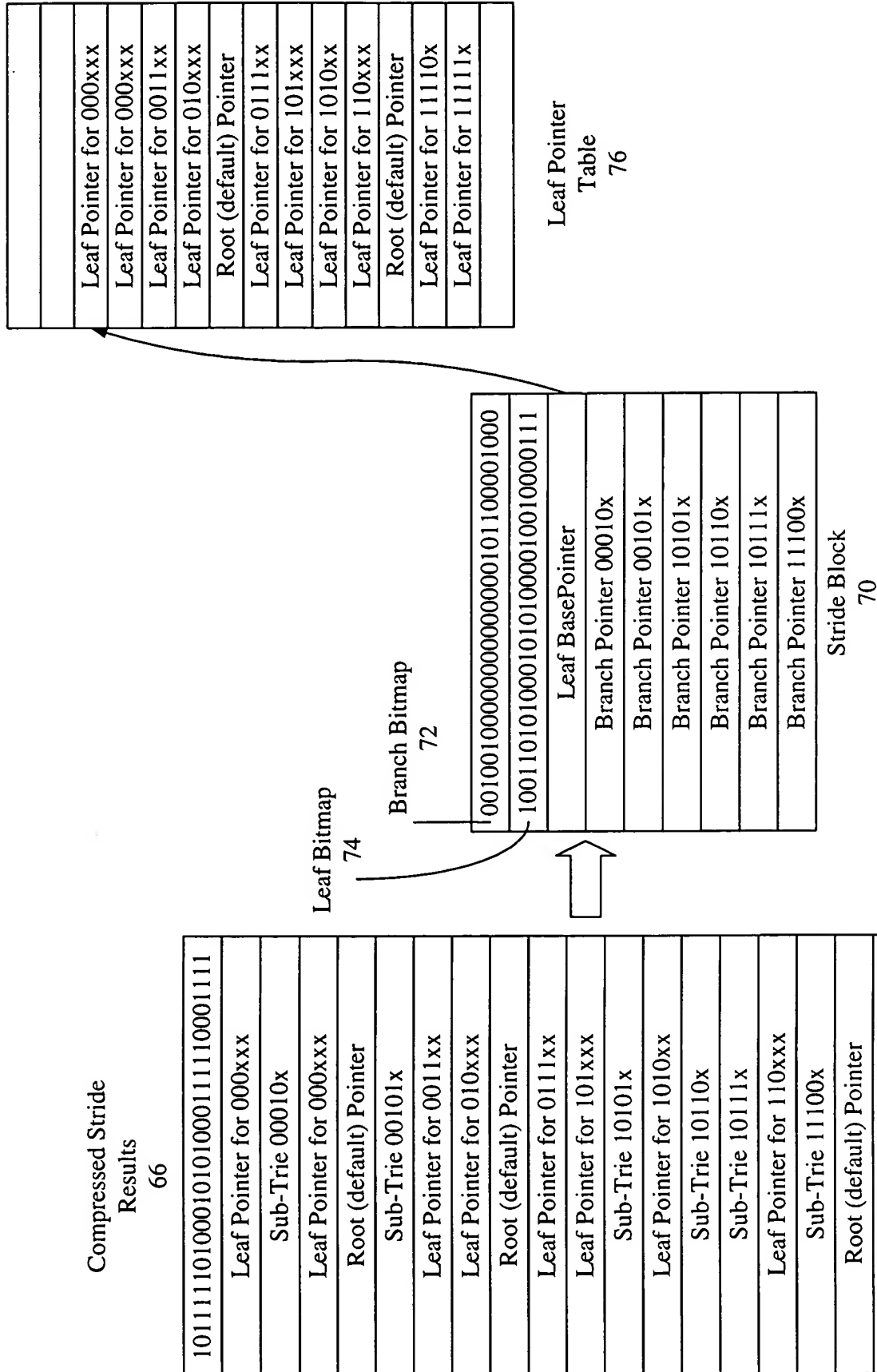


Figure 7.

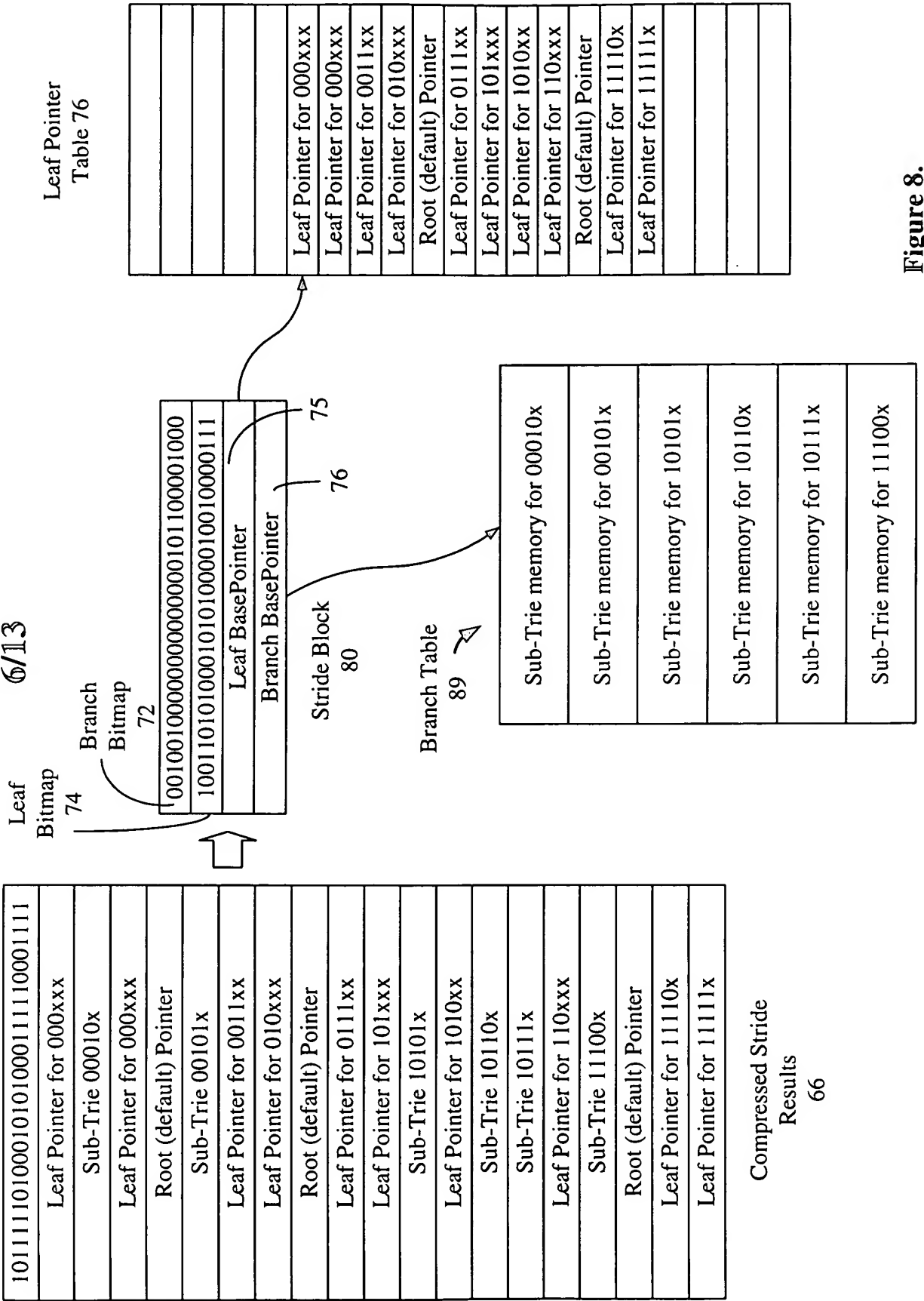


Figure 8.

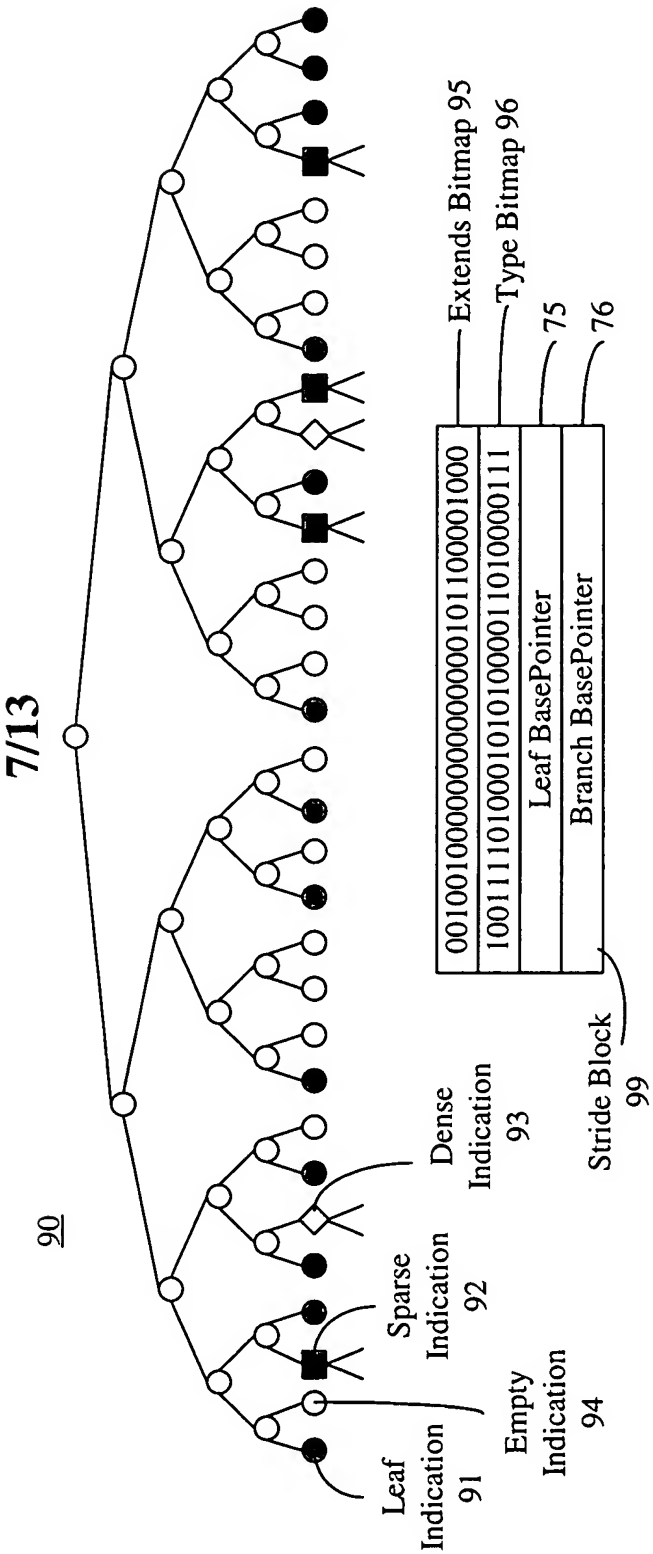


Figure 9.

63	36	35	16	15	8	7	0
Branch Base Pointer			Leaf Base Pointer		Type	Extends	
Value0	Value1	Value2	Value3	Value4	Value5	Value6	Value7

Figure 10.

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Figure 11.

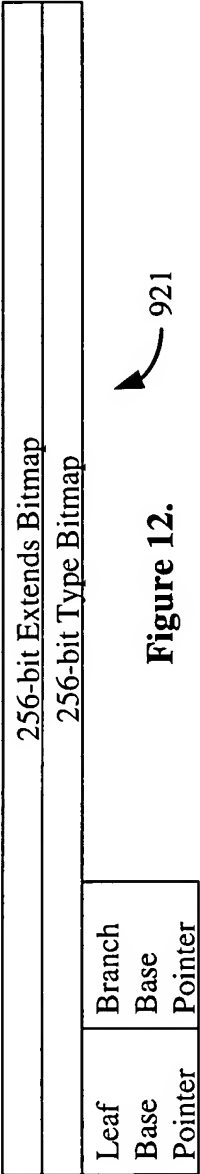


Figure 12.

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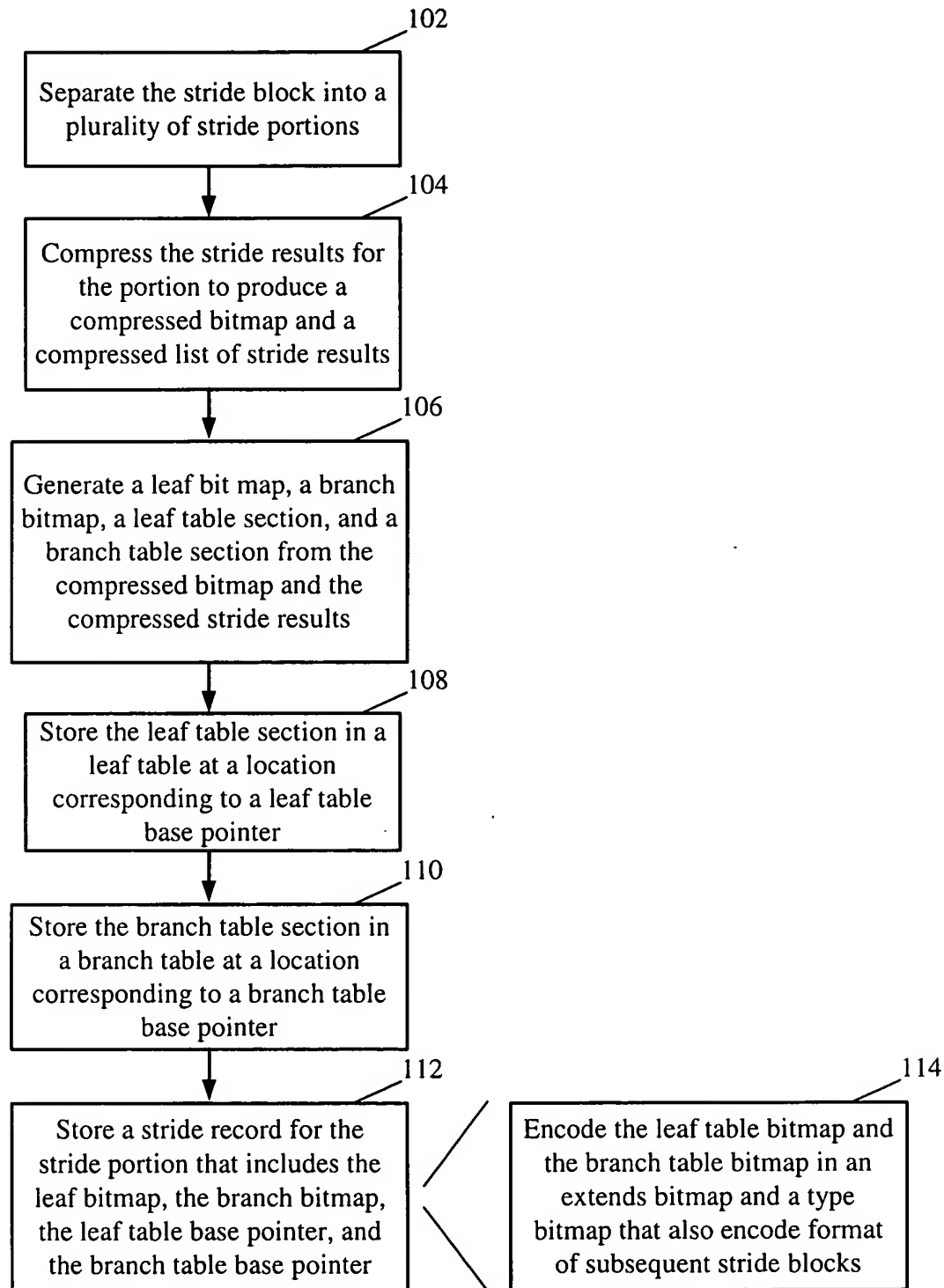


Figure 13.

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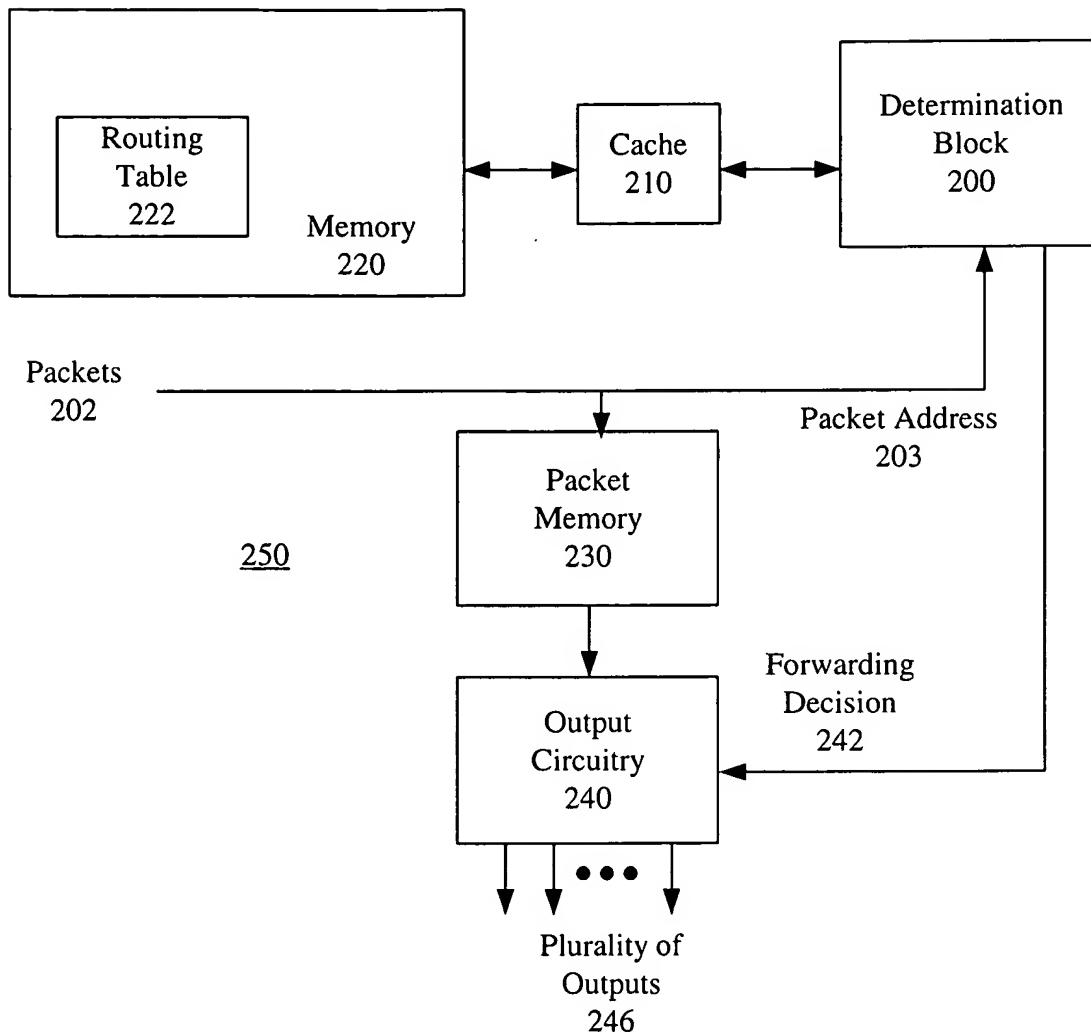


Figure 14.

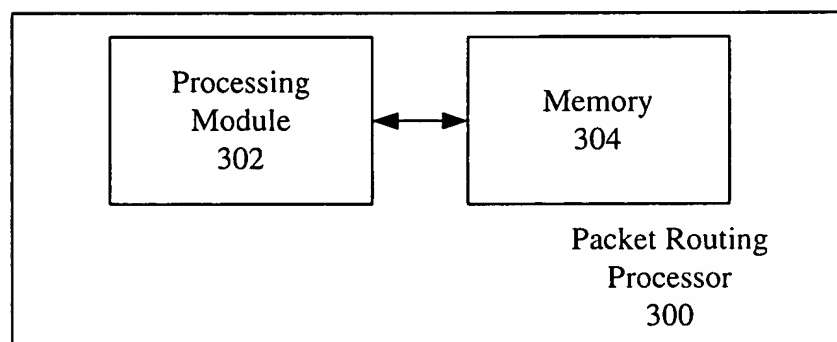


Figure 15.

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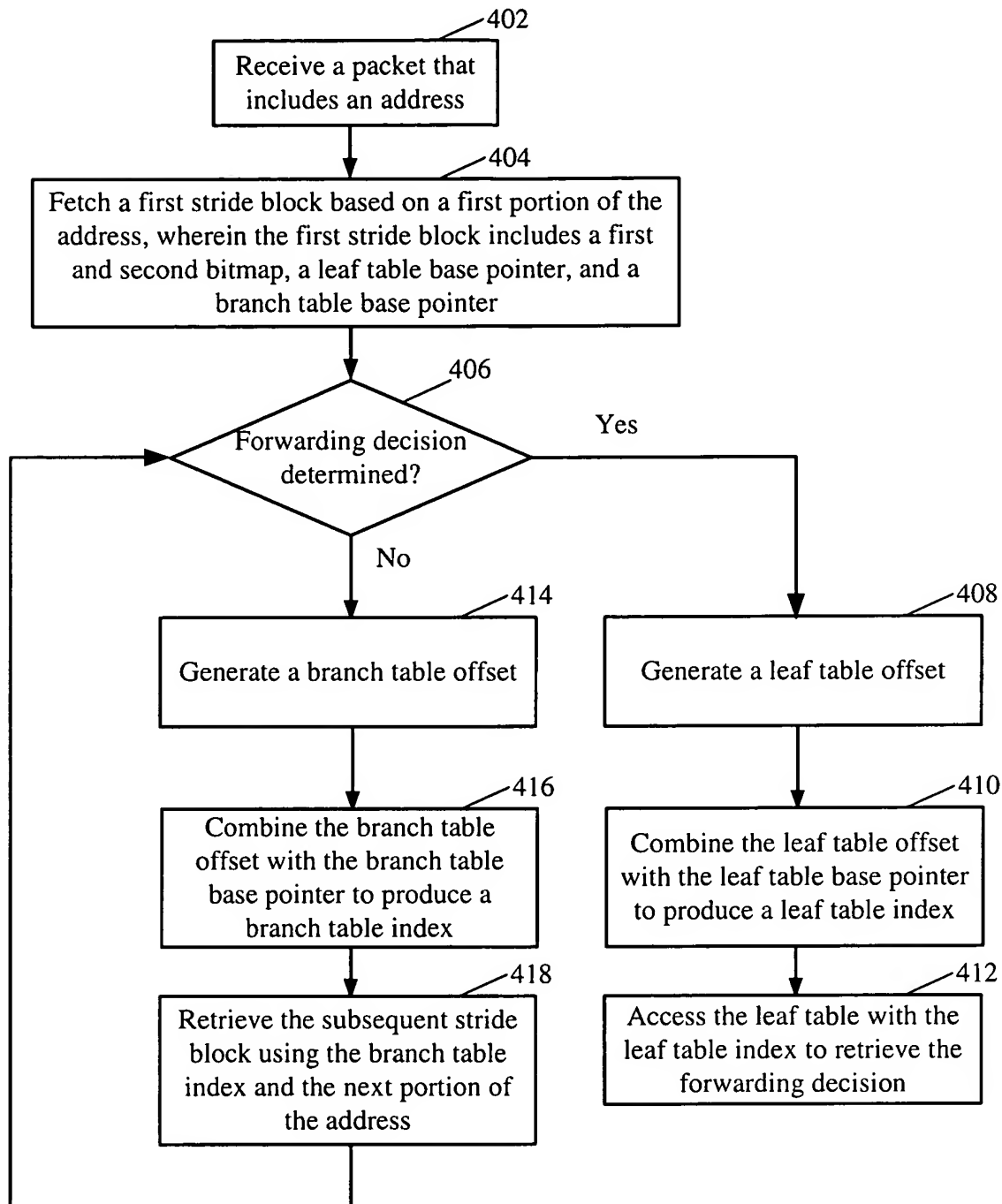


Figure 16.

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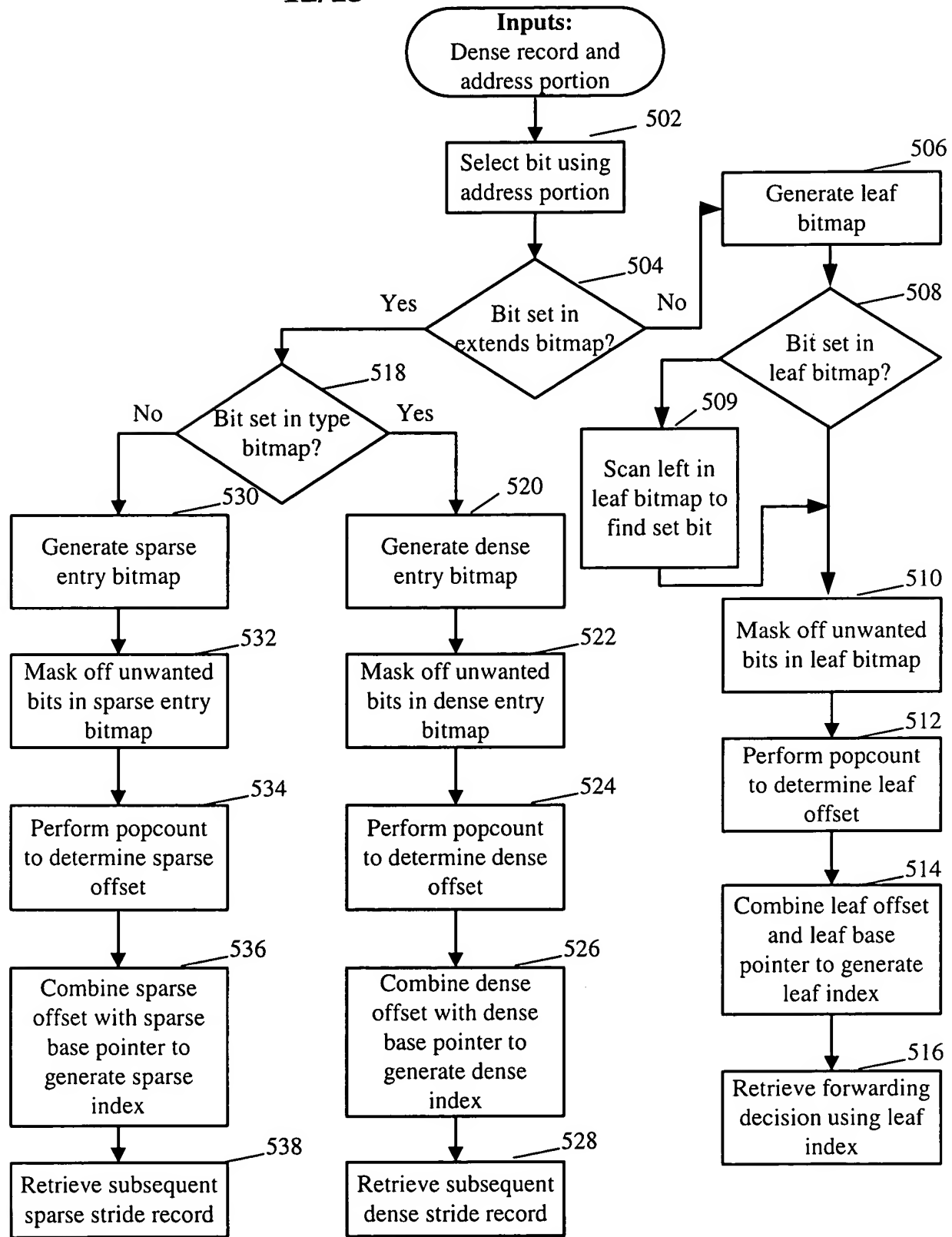


Figure 17.

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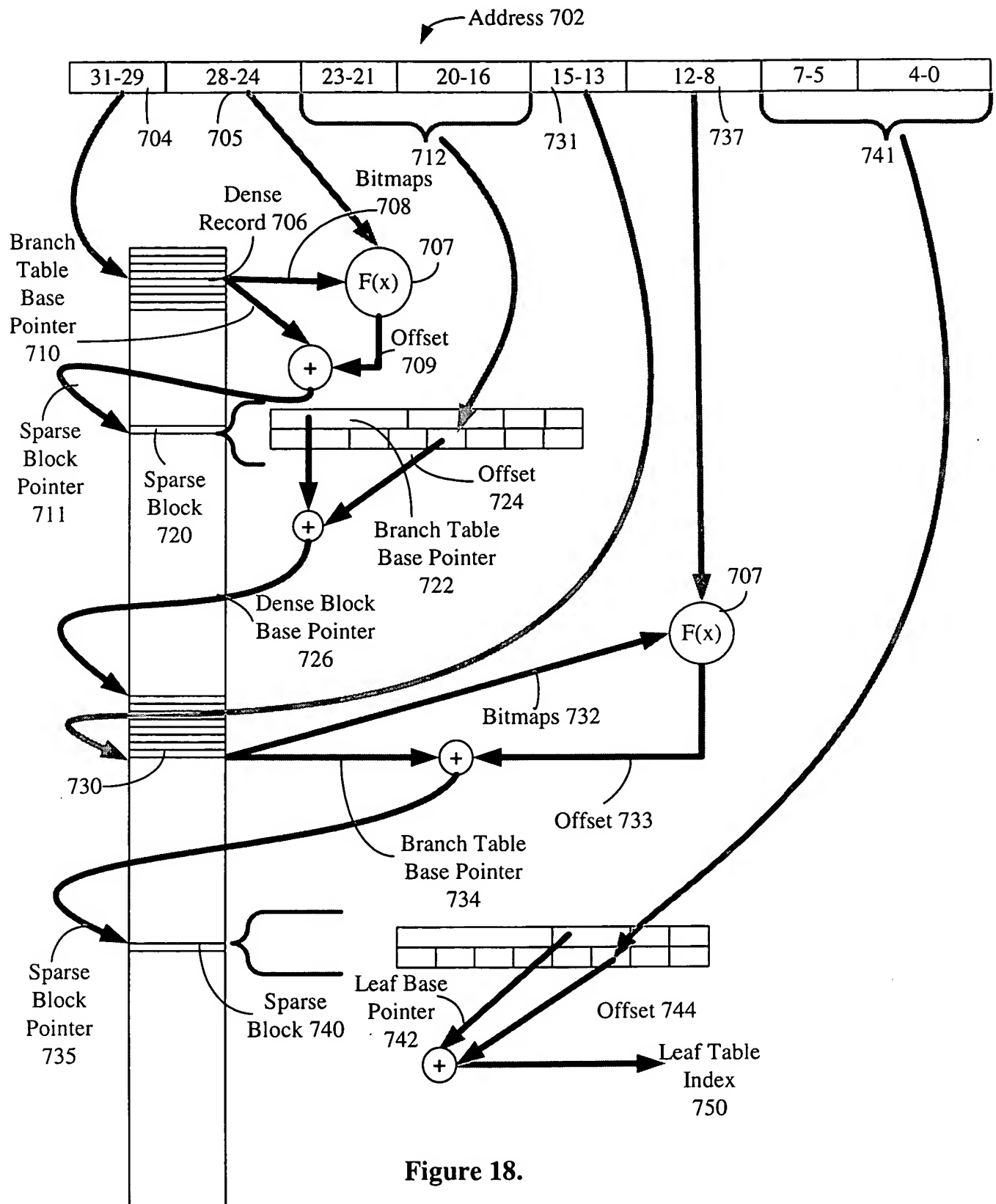


Figure 18.